

ABSTRACT OF THE DISCLOSURE

An integrated in-line tube and check valve assembly fabricated by end-form mandrel expanding an outlet end portion of deformable tube stock, such as metal, of nominal starting diameter, and concurrently end-forming a valve seat on the inside of the expanded tube section where it necks down and integrally joins the upstream nominal diameter portion of the tube. A valve ball and a valve spring are then fitted into the expanded tube section, together with a spring holder if needed. The expanded end portion of the tube is then again deformed by an end-form swaging operation that reduces the diameter of the expanded tube outlet end so as to form a cavity within the tube in which the spring is captured in compression for resiliently biasing the valve ball against the valve seat.